Commissioning the RICH

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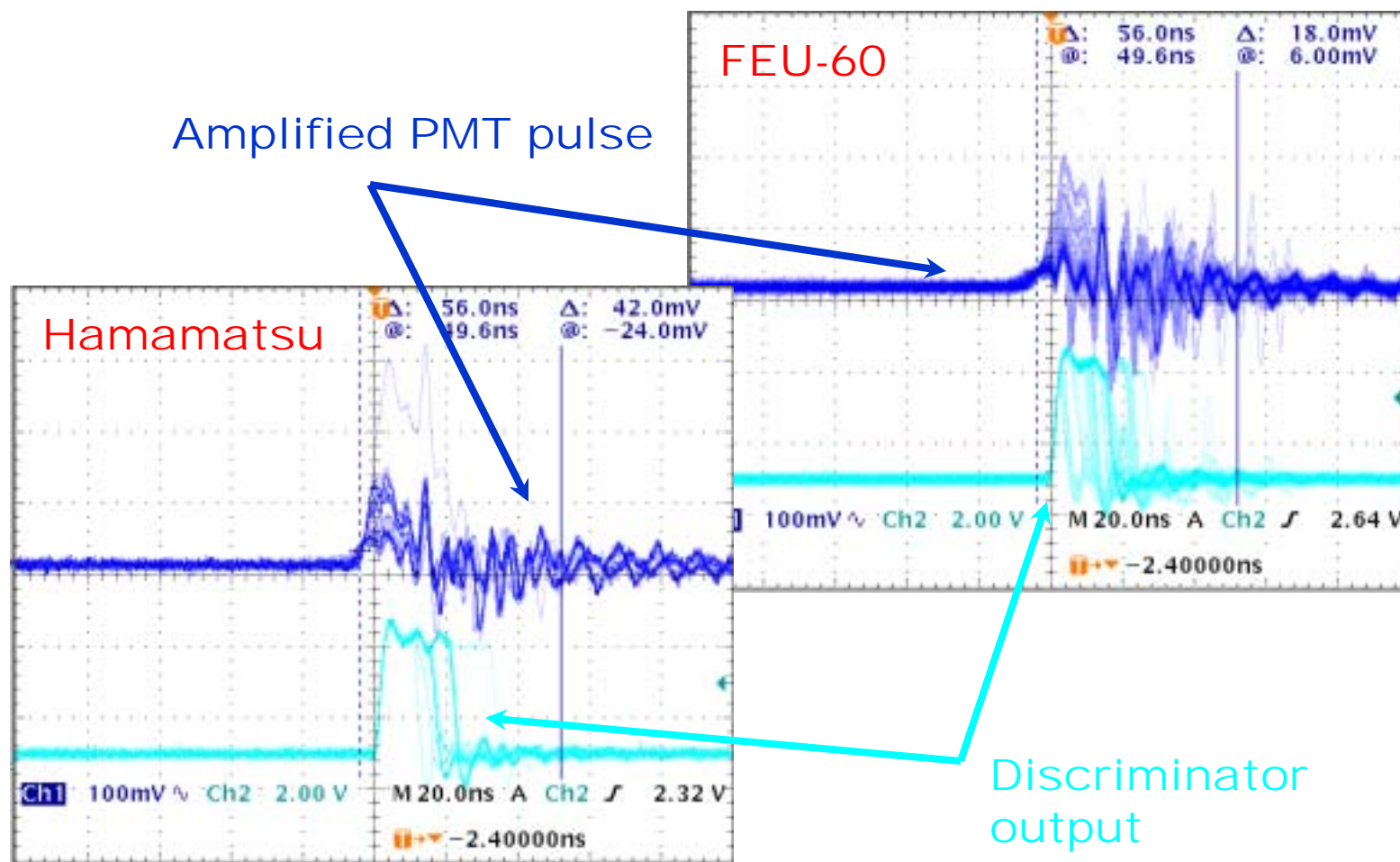
Harvard University

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Status of New Electronics

- Good news: the analog part seems to work
  - So far controlled through a debug port
- Plugged the electronics into the RICH, powered up a row of PMT's (unfortunately not at nominal HV)

Status of New Electronics (cont.)

FEU-60

Amplified PMT pulse

Hamamatsu

Discriminator output

What we need to do

- Learn to control electronics through VME

- Debug LED's inside the tank

- Get chillers working
  - Water chiller to keep the temperature of the tank
  - PMT array

- Presumably, no need to cool electronics (total power output ~160 W)

What we need to do (cont.)

- It is recommended that we measure the following and add them to our data stream
  - Temperature
  - Pressure
  - Oxygen level
  - Water vapor level